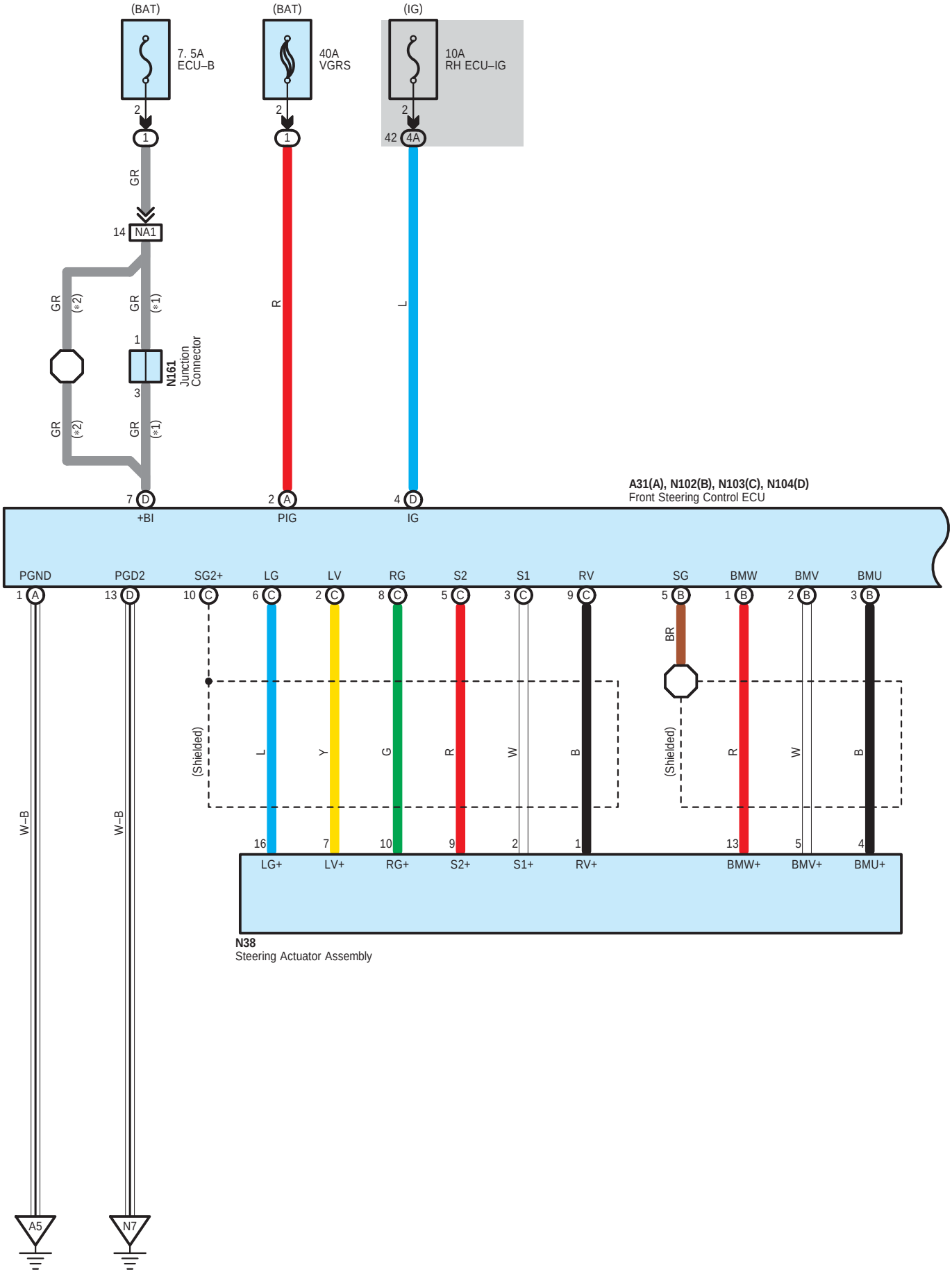
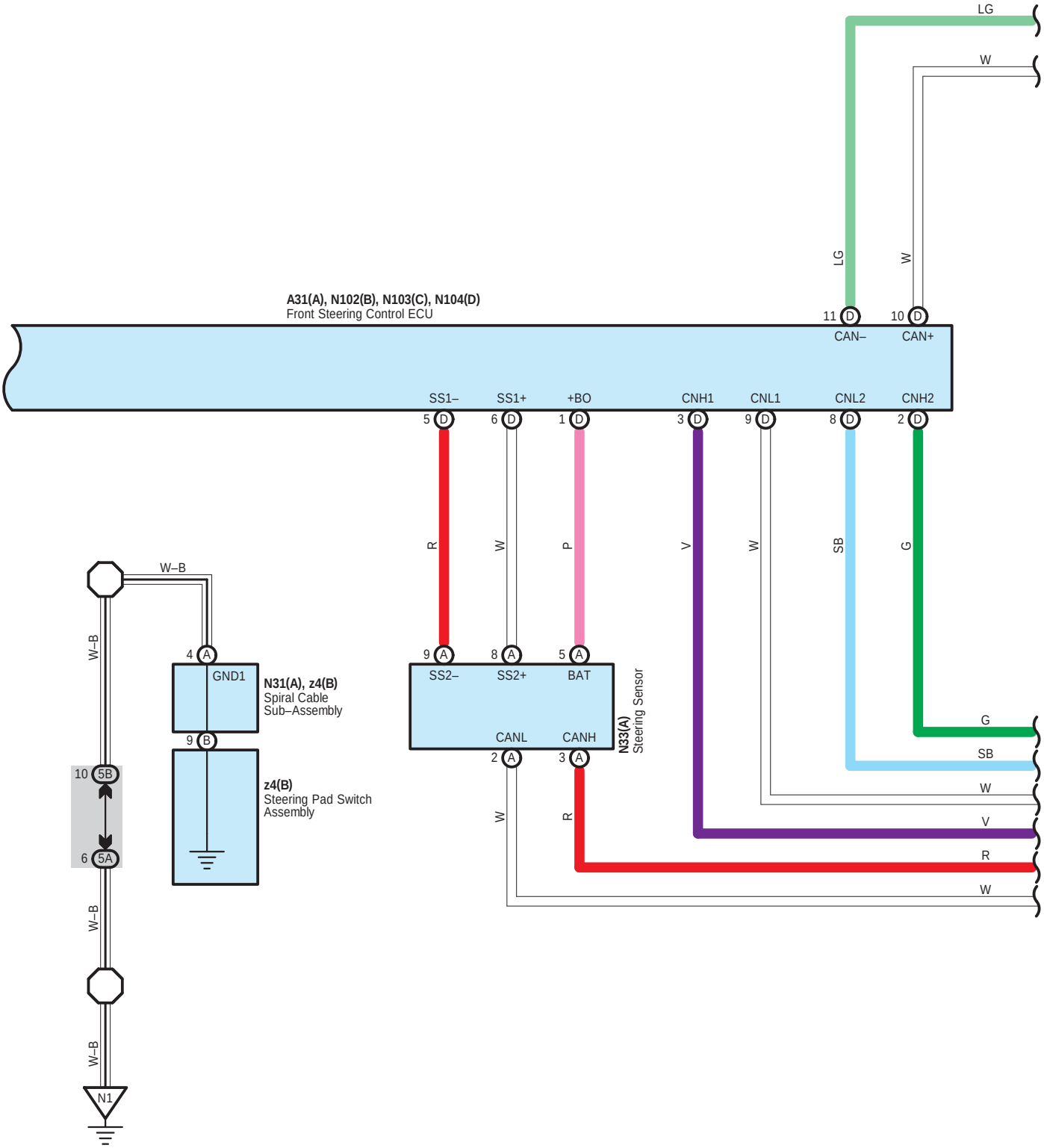
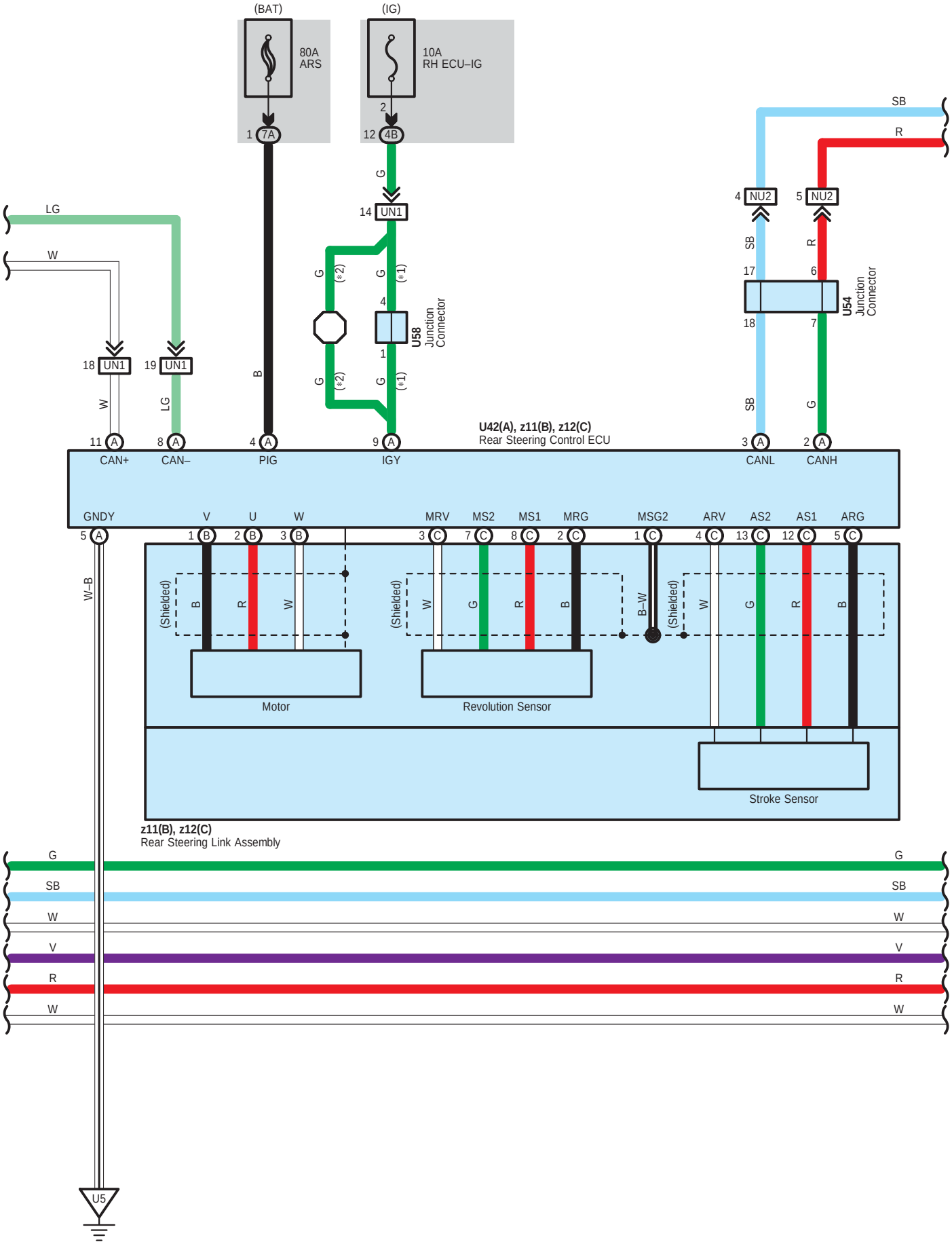
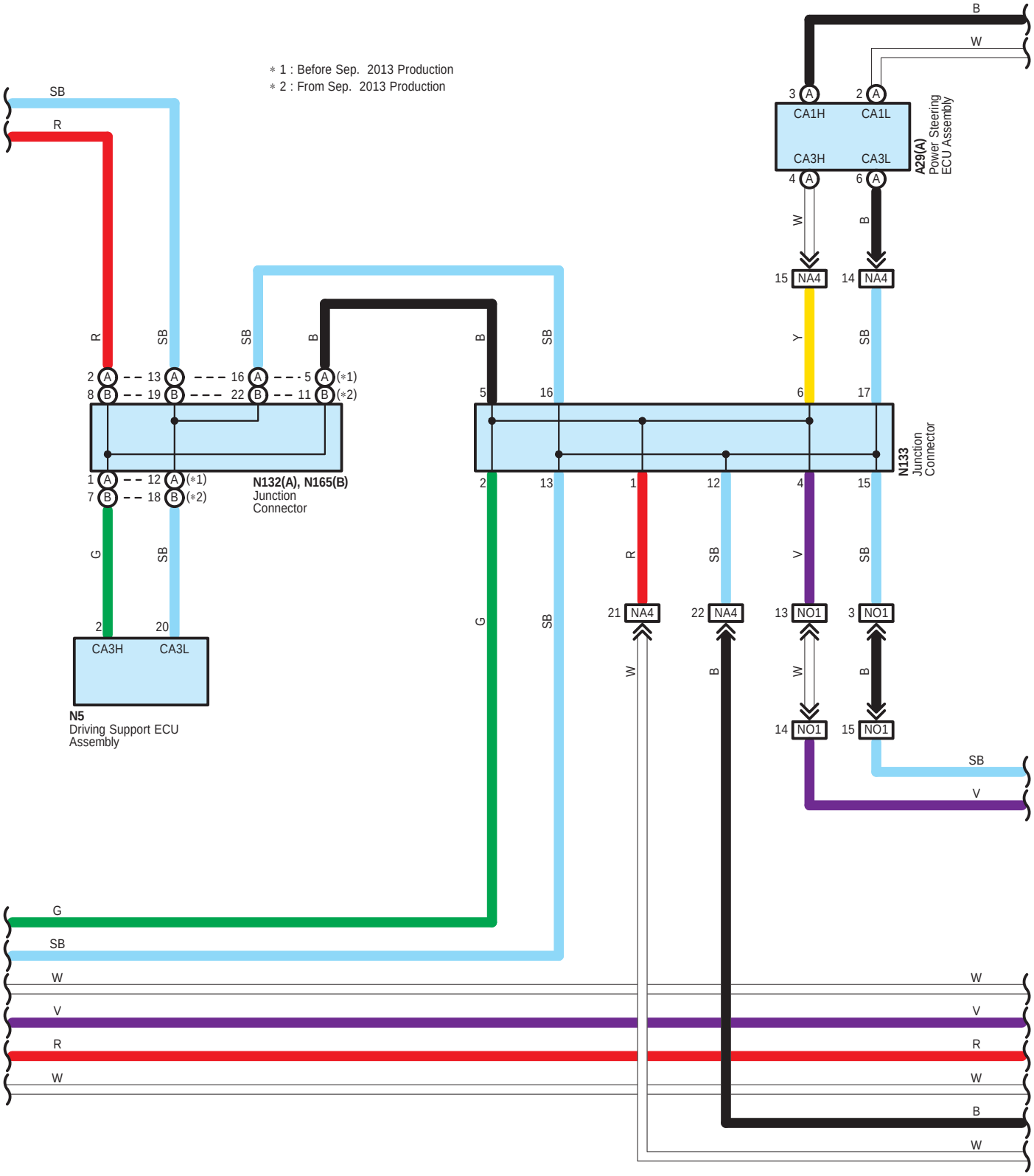
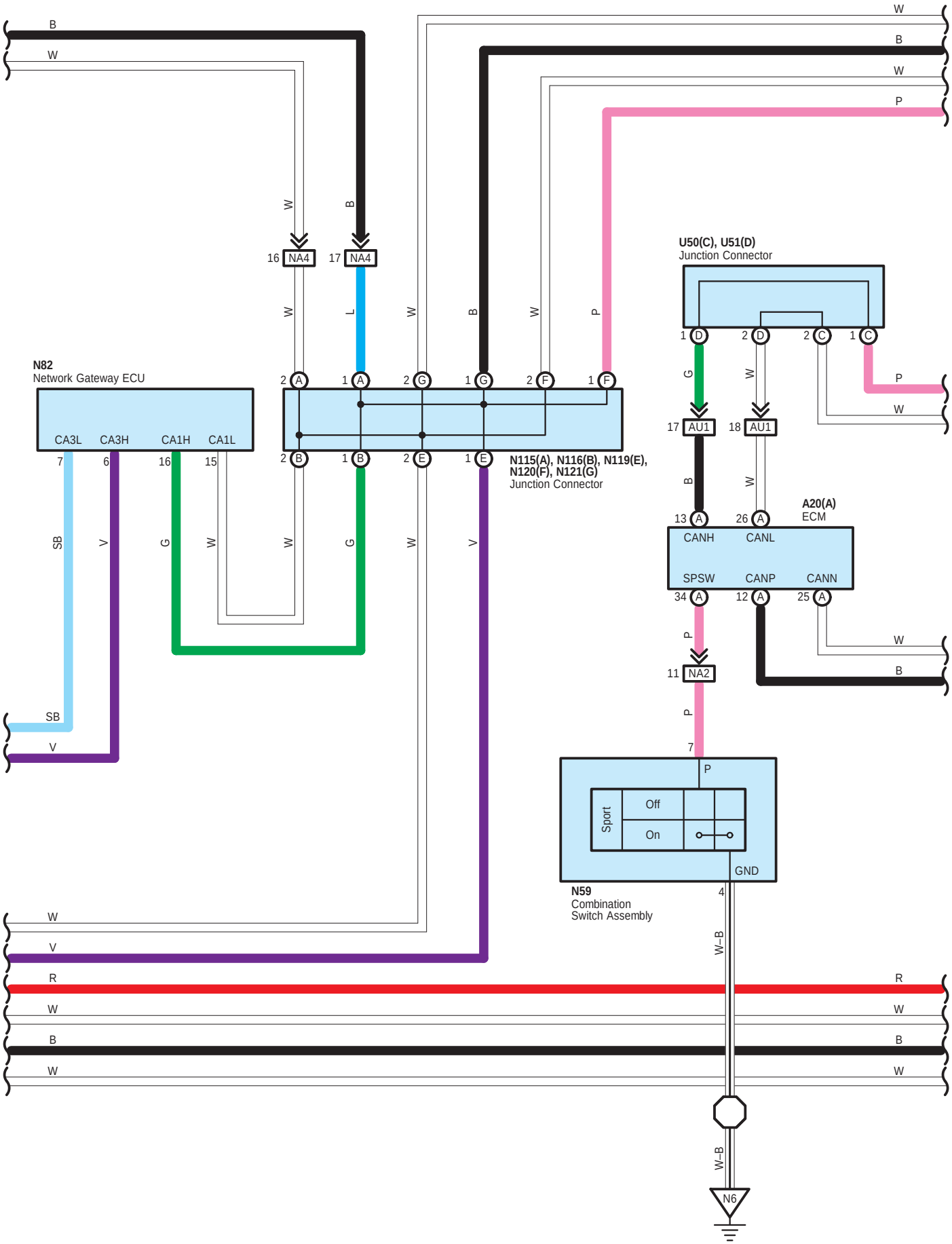

(BAT)
7. 5A
ECU–B
(BAT)
40A
VGRS
(IG)
10A
RH ECU–IG
GR
NA1
GR (*2)
GR (*1)
N161
Junction
Connector
R
L
A31(A), N102(B), N103(C), N104(D)
Front Steering Control ECU
+BI
PIG
IG
PGND
PGD2
SG2+
LG
LV
RG
S2
S1
RV
SG
BMW
BMV
BMU
(Shielded)
BR
W–B
LG+
LV+
RG+
S2+
S1+
RV+
BMW+
BMV+
BMU+
N38
Steering Actuator Assembly
A5
N7

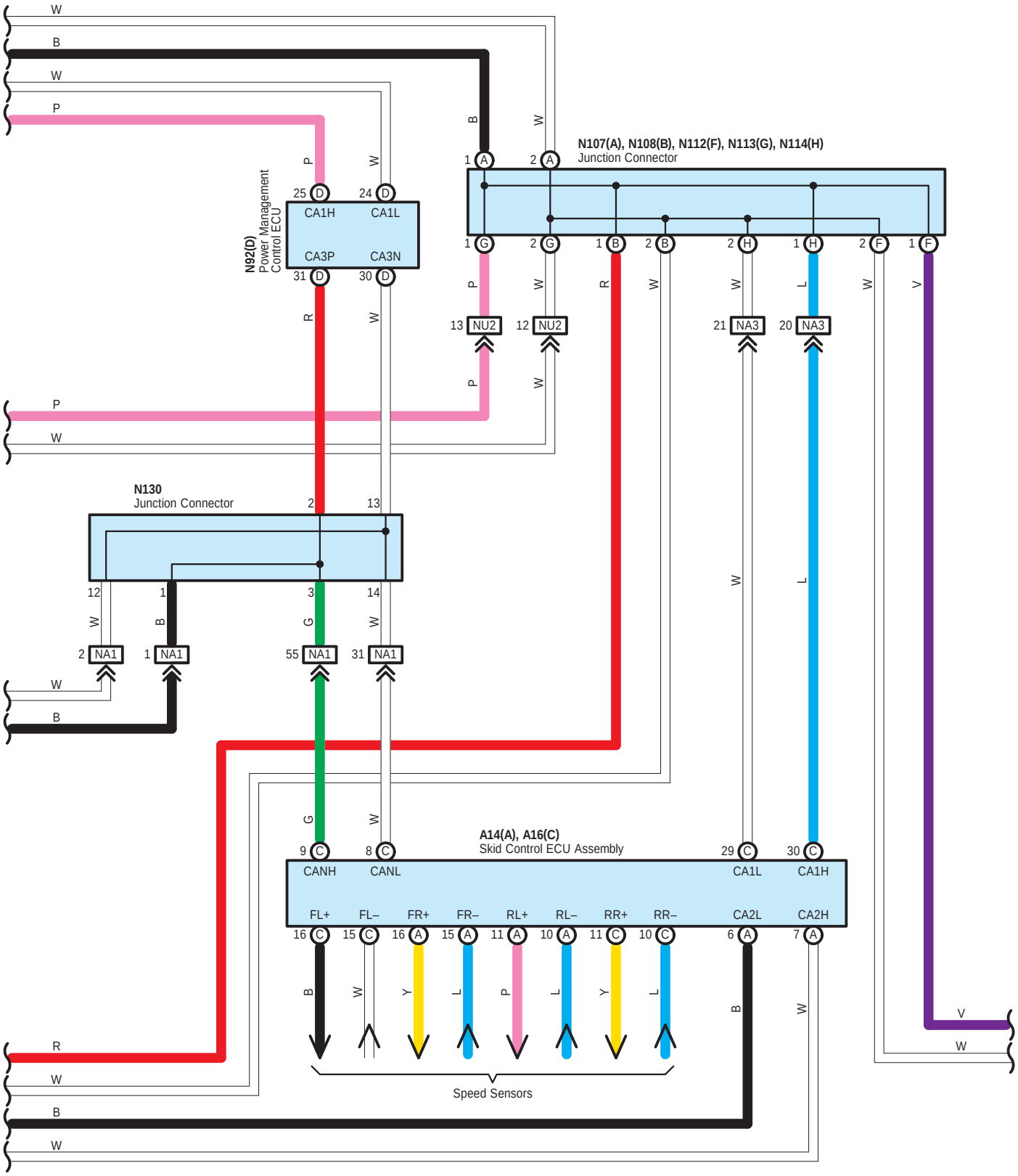
∗ 1 : Before Sep. 2013 Production
∗ 2 : From Sep. 2013 Production

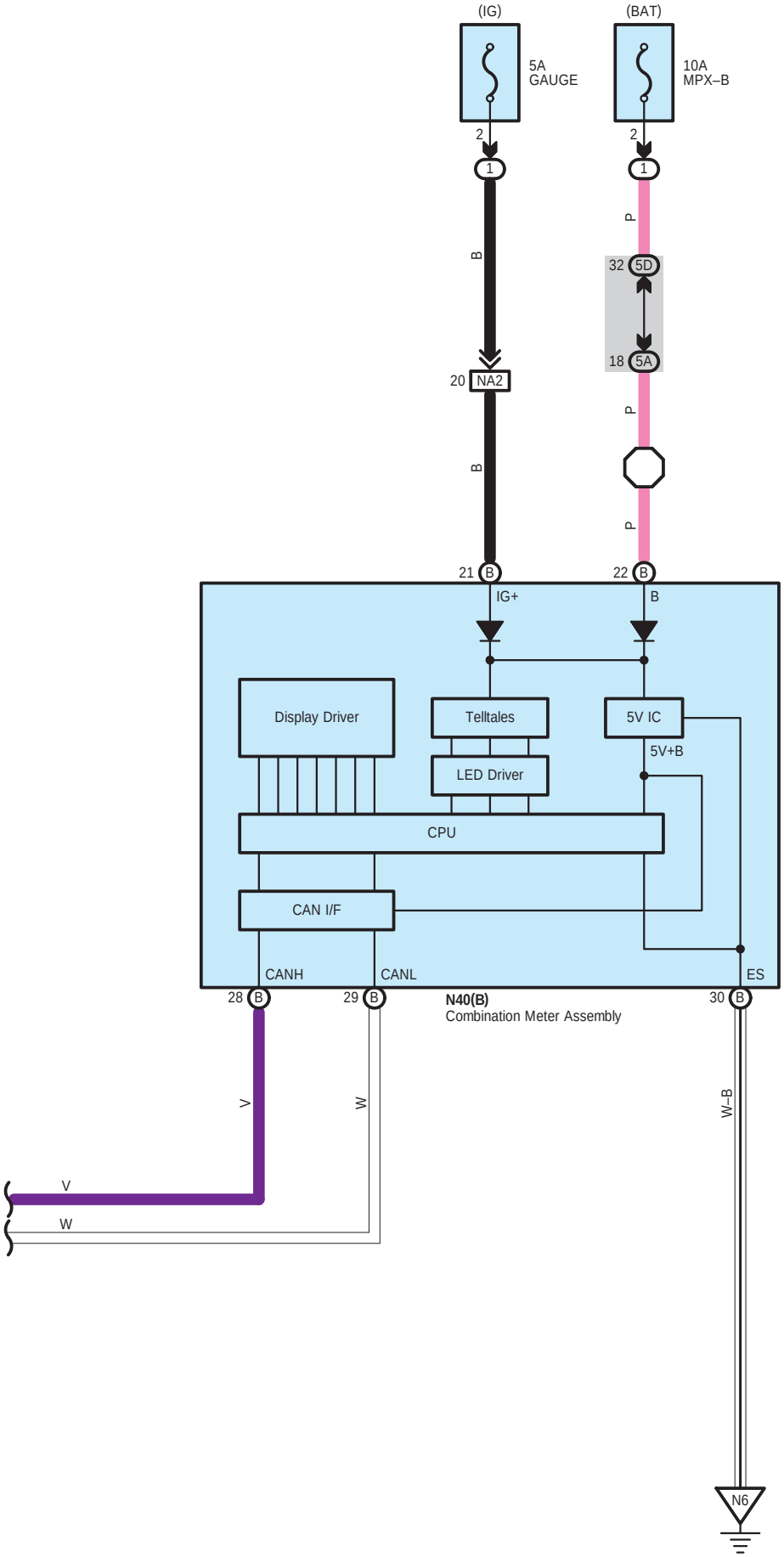



(BAT)
80A
ARS
1 7A
(IG)
10A
RH ECU–IG
2
12 4B
G
14 UN1
LG
W
18 UN1
19 UN1
W
LG
B
G (*2)
G (*1)
4
1
U58
Junction
Connector
G (*2)
G (*1)
SB
R
4 NU2
5 NU2
SB
R
17
6
18
7
U54
Junction
Connector
SB
G
U42(A), z11(B), z12(C)
Rear Steering Control ECU
11 A
8 A
4 A
9 A
3 A
2 A
CAN+
CAN–
PIG
IGY
CANL
CANH
GNDY
V
U
W
MRV
MS2
MS1
MRG
MSG2
ARV
AS2
AS1
ARG
5 A
1 B
2 B
3 B
3 C
7 C
8 C
2 C
1 C
4 C
13 C
12 C
5 C
W–B
(Shielded)
B
R
W
(Shielded)
W
G
R
B
B–W
(Shielded)
W
G
R
B
Motor
Revolution Sensor
Stroke Sensor
z11(B), z12(C)
Rear Steering Link Assembly
G
SB
W
V
R
W
U5

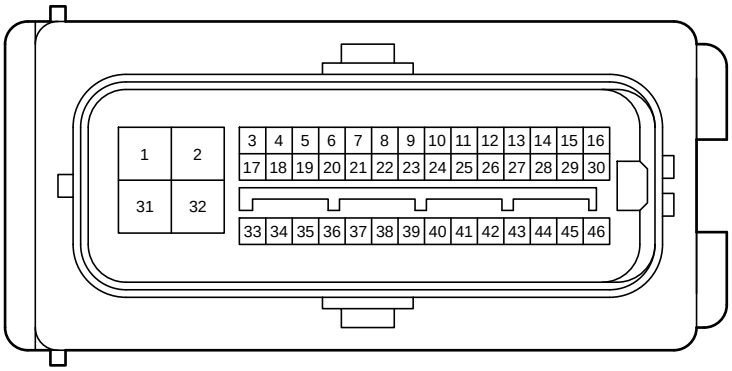

∗ 1 : Before Sep. 2013 Production
∗ 2 : From Sep. 2013 Production
A29(A)
Power Steering ECU Assembly
CA1H
CA1L
CA3H
CA3L
N132(A), N165(B)
Junction Connector
N133
Junction Connector
N5
Driving Support ECU Assembly
NA4
NO1


N82
Network Gateway ECU
CA3L
CA3H
CA1H
CA1L
7
6
16
15
SB
V
G
W
16 NA4
17 NA4
L
B
N115(A), N116(B), N119(E), N120(F), N121(G)
Junction Connector
U50(C), U51(D)
Junction Connector
17 AU1
18 AU1
A20(A)
ECM
CANH
CANL
SPSW
CANP
CANN
34
12
25
13
26
11 NA2
P
N59
Combination
Switch Assembly
Sport
Off
On
GND
4
W–B
R
N6

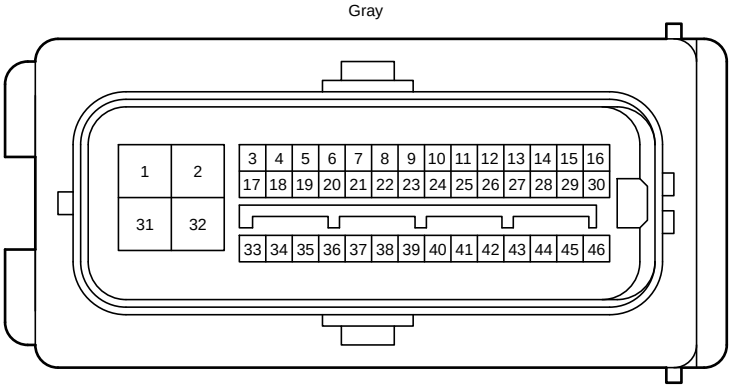

N92(D)
Power Management
Control ECU
CA1H
CA1L
CA3P
CA3N
N107(A), N108(B), N112(F), N113(G), N114(H)
Junction Connector
NU2
NA3
N130
Junction Connector
NA1
A14(A), A16(C)
Skid Control ECU Assembly
CANH
CANL
CA1L
CA1H
FL+
FL–
FR+
FR–
RL+
RL–
RR+
RR–
CA2L
CA2H
Speed Sensors


(IG)
(BAT)
5A
GAUGE
10A
MPX–B
2
1
B
P
32
5D
18
5A
20
NA2
21
22
IG+
B
Display Driver
Telltales
5V IC
5V+B
LED Driver
CPU
CAN I/F
CANH
CANL
ES
28
29
30
N40(B)
Combination Meter Assembly
V
W
W–B
N6

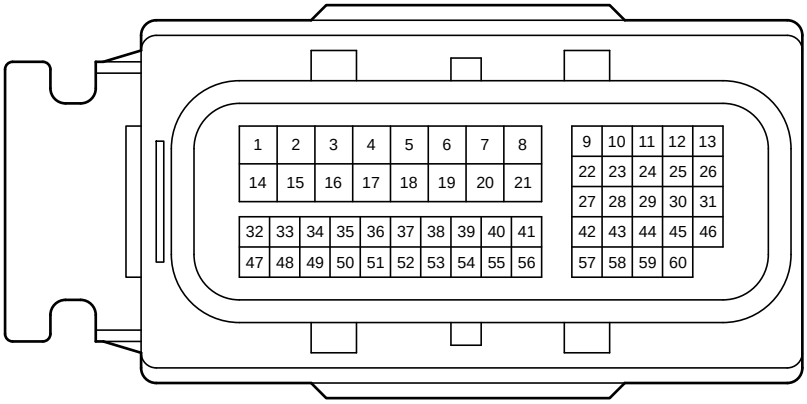
A 14
Black



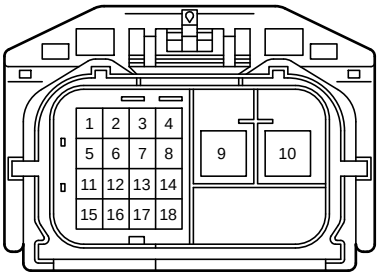
A 16
Gray



A 20
Black



A 29
Black



A 31
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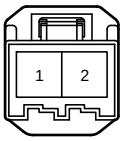
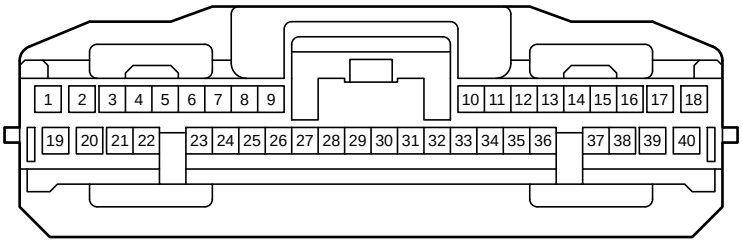
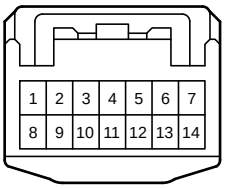


N 5
White



N 31
Black



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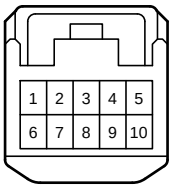

N 38
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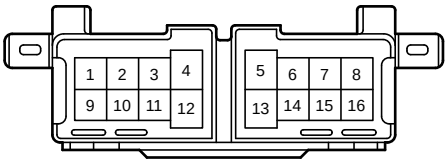

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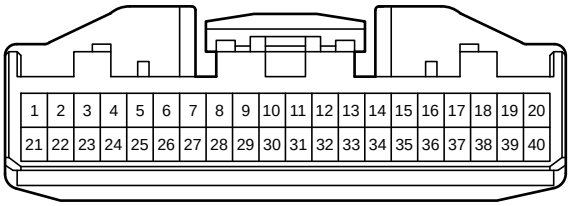

N 59
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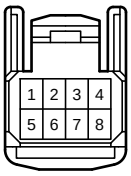

N 82
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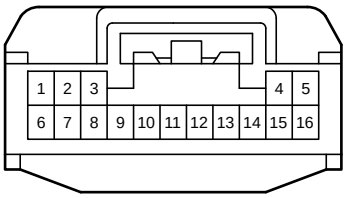
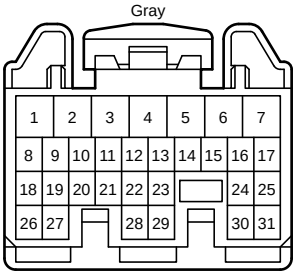


N 92
Gray



N102
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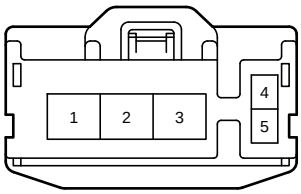

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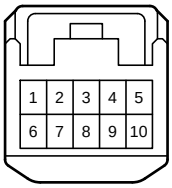

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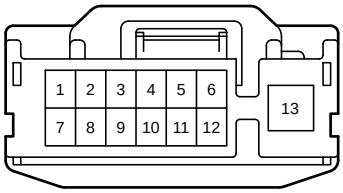

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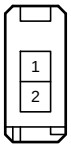

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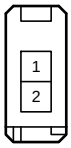

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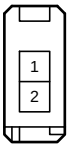

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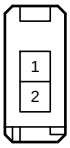

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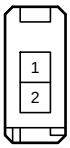

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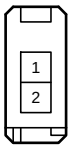

N116
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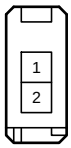

N119
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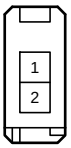

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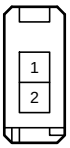

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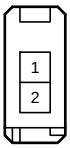

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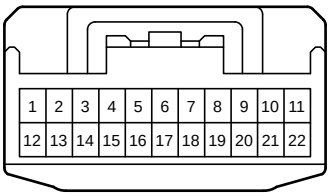

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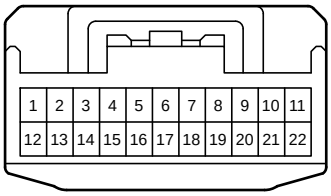

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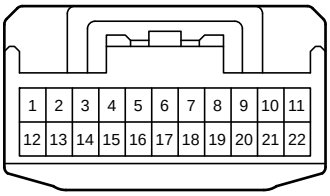

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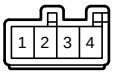

N165
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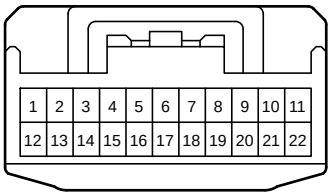

U 42
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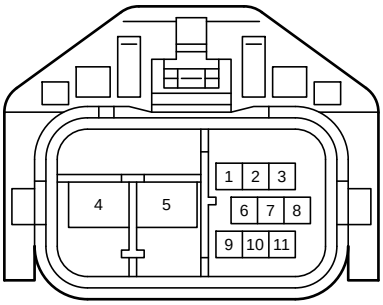
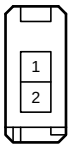


U 50
White



U 51
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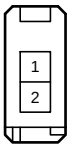
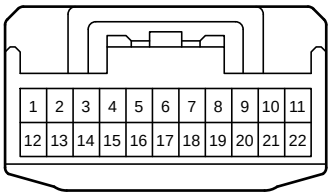
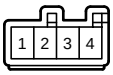


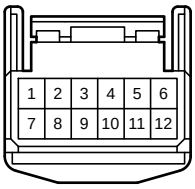
U 54
Blue



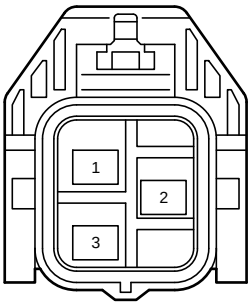
U 58
Black



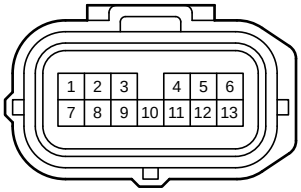
z 4
Black



z 11
Black



z 12
Black



4A
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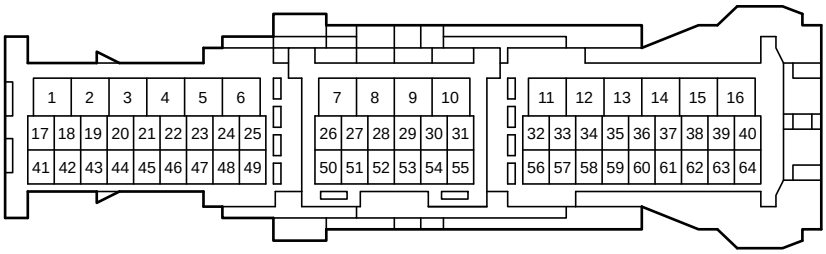

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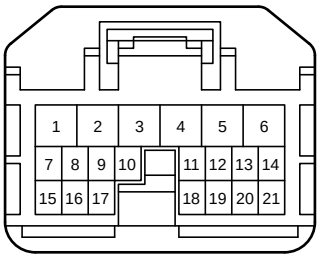

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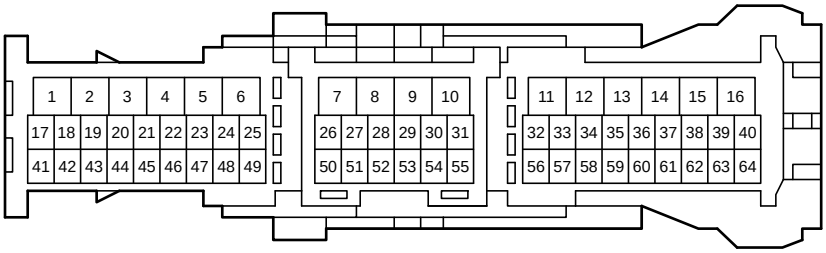

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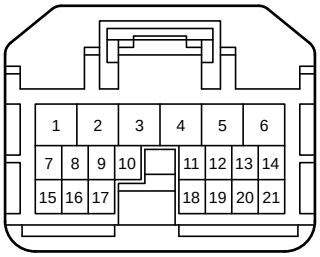

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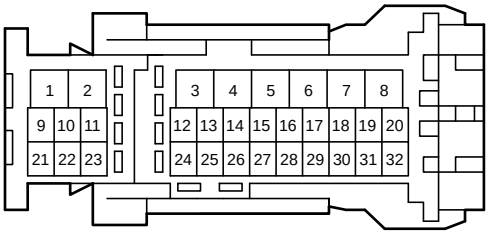

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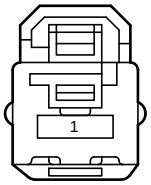

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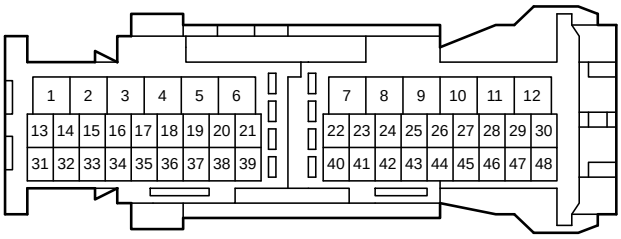

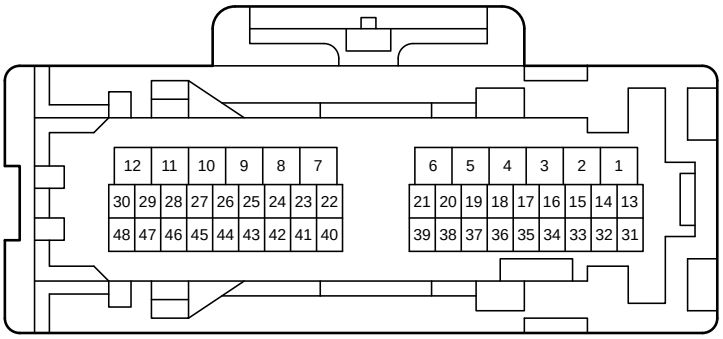

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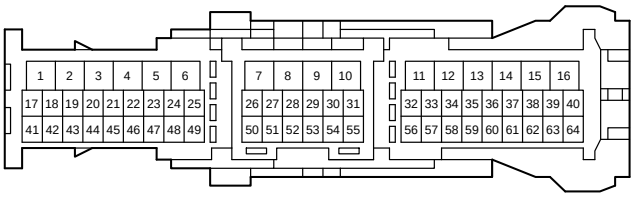

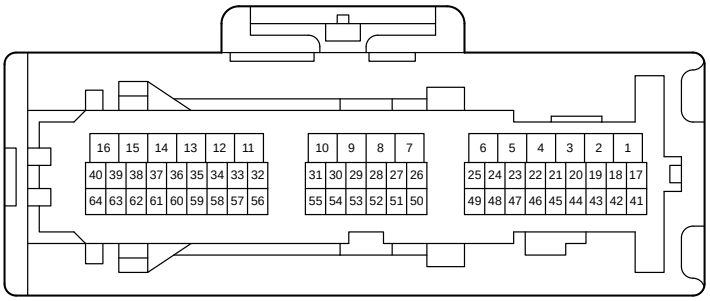

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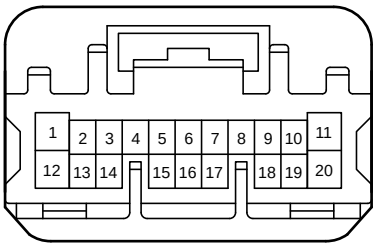

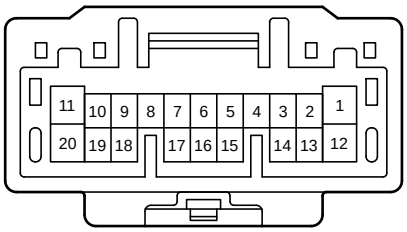

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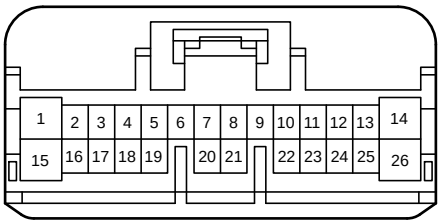

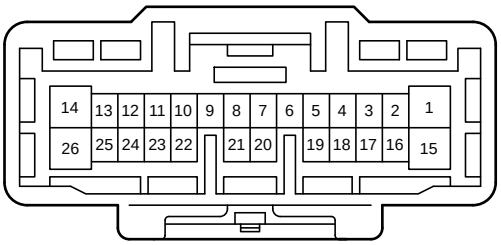

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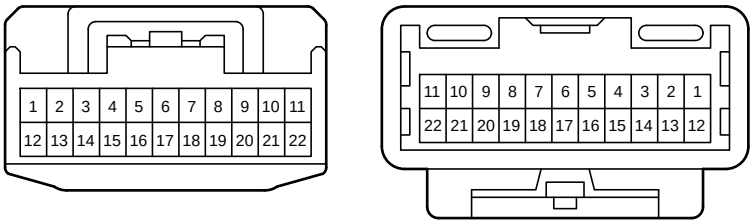

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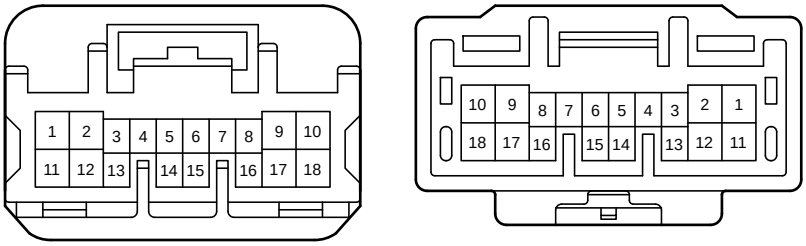

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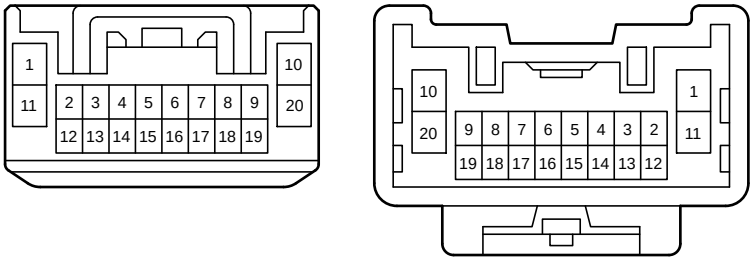
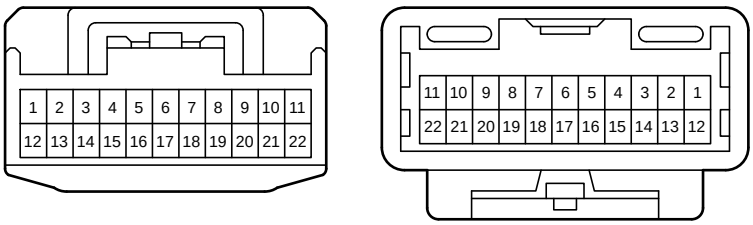
UN1
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